Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/22/2020 11:11 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124489	-1	2.17	124569	2.16
Blue	F	SSC	125000	124769	-1	1.60	125539	1.63
Blue	E	FITC	15892	15439	-3	2.88	336	20.36
Blue	D	PE	29999	29243	-3	2.12	636	15.13
Blue	B	PerCP-Cy5-5	43732	43833	0	3.82	1172	20.81
Blue	A	PE-Cy7	30845	31518	2	6.49	600	42.41
Red	C	APC	46112	44734	-3	2.47	1581	12.08
Red	A	APC-Cy7	30458	29621	-3	2.38	784	12.19
Violet	B	V450	7918	7628	-4	4.96	430	13.57
Violet	A	V500	32171	31006	-4	4.80	723	11.20

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17329	11.40	629	8	N/A	N/A	Pass
Blue	F	SSC	56980	1.30	571	12	N/A	N/A	Pass
Blue	E	FITC	62	65.51	547	4	0.0198	164	Pass
Blue	D	PE	134	51.01	553	5	0.1566	280	Pass
Blue	B	PerCP-Cy5-5	215	51.74	662	6	0.0088	78	Pass
Blue	A	PE-Cy7	111	105.90	707	9	0.0102	18	Pass
Red	C	APC	377	25.80	587	3	0.0251	218	Pass
Red	A	APC-Cy7	171	28.83	560	4	0.0052	702	Pass
Violet	B	V450	65	61.58	462	4	0.0506	2214	Pass
Violet	A	V500	108	37.41	478	4	0.0218	1173	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.53	-32.00	1.01
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.44
Red	15.21	13.60 - 20.40	N/A	N/A	29.33	29.85	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9773

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments